

SAC2009RF0140

Sustainability needs to be considered in all scales. The intelligent choice and minimum amount of materials is necessary but greater sustainability is achieved on the urban scale. We propose an infrastructural facility to serve alongside our housing program. The neighbourhood can benefit from it and each project can contribute their specialized resource.

Water is a precious and underappreciated resource in Lebanon and because pumping is necessary for our high water table, our specialization will be Water Collection Treatment and Distribution.

Our proposal is a thin two-component building (servis,servant) that is naturally lit and ventilated. The housing is oriented towards ideal sunlight and the services to the ventilated north-west.

It is accessed through two cores, one more private than the other. Vehicular drop-off, handicap access, and a loading bay are provided for in the parking.

Our water-strategy works on different scales

- Bathroom Scale : Immediate re-use of greywater in the toilets.
- Building Scale : Collecting and treating all the excess greywater and stormwater.
- Facility Scale : Collecting and treating neighbourhood greywater through the urban shaft.

We wanted to recall the water treatment facility underneath and raise awareness throughout the project visually, aurally, and interactively: The sunken cafeteria level with the drainage heads and the scuba diving center.